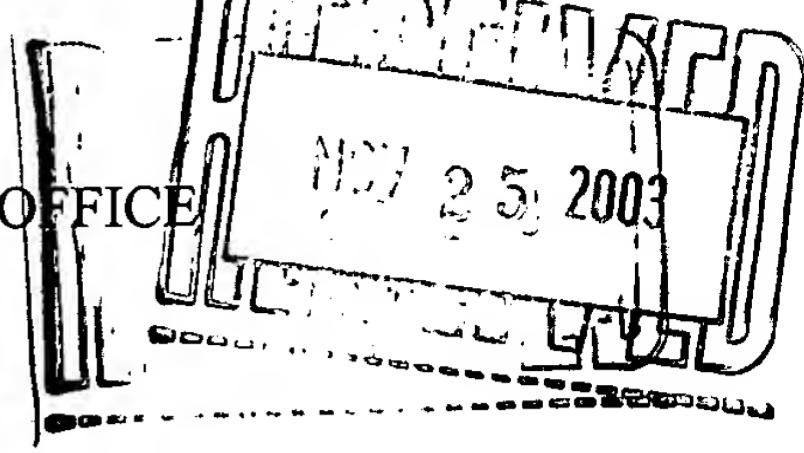


Attorney's Docket No.: 16163-012001 / GI005445



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Steven F. Sukits et al

Art Unit : 2671

Serial No. : 09/854,906

Examiner : Unknown

Filed : May 14, 2001

Title : SOLUTION STRUCTURE OF TNFR-1 DD AND USES THEREOF

**RECEIVED**

Commissioner for Patents

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Alexandria, VA 22313-1450

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed before the receipt of a first Office action on the merits.

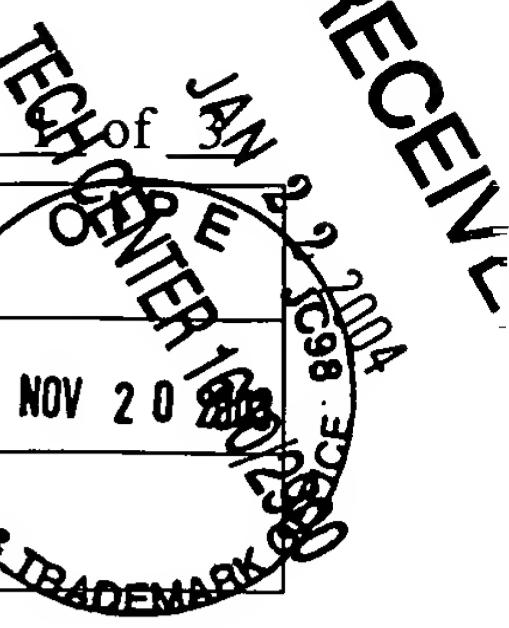
Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 11-20-03

  
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16163-012001	Application No. 09/854,906
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Steven F. Sukits et al.	
		Filing Date May 14, 2001	Group Art Unit 2671

<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,674,734	10/07/97	Leder et al.			
	AB	2002/0094540	07/18/02	Tsao et al.			
	AC						
	AD						NOV 21 2003
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes      No
	AL						
	AM						
	AN						
	AO						
	AP						

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	AQ	Arch et al., "Tumor necrosis factor receptor-associated factors (TRAFs) – a family of adapter proteins that regulates life and death," Genes & Development, 12, 2821-2830, 1998
	AR	Boldin et al., "Self-association of the "Death Domains" of the p55 Tumor Necrosis Factor (TNF) Receptor and Fas/APO1 Prompts Signaling for TNF and Fas/APO1 Effects," The Journal of Biological Chemistry, 270 (1), 387-391, 1995
	AS	Chou et al., "Solution Structure of the RAIDD CARD and Model for CARD/CARD Interaction in Caspase-2 and Caspase-9 Recruitment," Cell, 94, 171-180, 1998
	AT	Day et al., "Solution Structure and mutagenesis of the caspase recruitment domain (CARD) from Apaf-1," Cell Death and Differentiation, 6, 1125-1132, 1999

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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(37 CFR §1.98(b))		Filing Date May 14, 2001	Group Art Unit 2671

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AU	Duan et al, "RAIDD is a new 'death' adaptor molecule," Nature, 385, 86-89, January 1997
	AV	Eberstadt et al., "NMR structure and mutagenesis of the FADD (Mort1) death-effector domain," Nature, 392, 941-945, 1998
	AW	Eck et al., "Crystallization of Trimeric Recombinant Human Tumor Necrosis Factor (Cachectin)," The Journal of Biological Chemistry, 263 (26), 12816-12819, 1988
	AX	Feinstein et al., "The death domain: a module shared by proteins with diverse cellular functions," Tibs, 20, 342-344, 1995
	AY	Grell et al., "TR60 and TR80 Tumor Necrosis Factor (TNF)-Receptors Can Independently Mediate Cytolysis," Lymphokine and Cytokine Research, 12, 143-148, 1993
	AZ	Hofmann et al., "The CARD domain: a new apoptotic signalling motif," TIBS, 22, 155-156, 1997
	AAA	Hsu et al., "The TNF Receptor 1-Associated Protein TRADD Signals Cell Death and NF- $\kappa$ B Activation," Cell, 81, 495-504, 1995
	ABB	Hsu et al., "TRADD - TRAF2 and TRADD-FADD Interactions Define Two Distinct TNF Receptor 1 Signal Transduction Pathways," Cell, 84, 299-308, 1996
	ACC	Hsu et al., "TNF-Dependent Recruitment of the Protein Kinase RIP to the TNF Receptor-1 Signaling Complex," Immunity, 4, 387-396, 1996
	ADD	Huang et al, "NMR structure and mutagenesis of the Fas (APO-1/CD95) death domain," Nature, 384, 638-641, 1996
	AEE	Jeong et al., "The Solution Structure of FADD Death Domain," The Journal of Biological Chemistry, 274(23), 16337-16342, 1999
	AFF	Kelliher et al., "The Death Domain Kinase RIP Mediates the TNF-Induced NF - $\kappa$ B Signal," Immunity, 8, 297-303, 1998
	AGG	Kieser et al., "LMP1 signal transduction differs substantially from TNF receptor 1 signaling in the molecular functions of TRADD and TRAF2," The EMBO Journal, 18(9), 2511-2521, 1999
	AHH	Liepinsh et al., "NMR structure of the death domain of the p75 neurotrophin receptor," The EMBO Journal, 16 (16), 4999-5005, 1997
	AII	McWhirter et al, "Crystallographic analysis of CD40 recognition and signaling by human TRAF2," Proc. Natl. Acad. Sci. USA, 96, 8408-8413, 1999
	AJJ	Nakano et al., "TRAF5, an Activator of NF- $\kappa$ B and Putative Signal Transducer for the Lymphotoxin- $\beta$ Receptor," The Journal of Biological Chemistry, 271 (25), 14661-14664, 1996
	AKK	Park et al., "Structural basis for self-association and receptor recognition of human TRAF2," Nature, 398, 533-538, 1999
	ALL	Pullen et al., "CD40-Tumor Necrosis Factor Receptor-Associated Factor (TRAF) Interactions: Regulation of CD40 Signaling through Multiple TRAF Binding Sites and TRAF Hetero-Oligomerization," Biochemistry, 37, 11836-11845, 1998
	AMM	Qin et al., "Structural basis of procaspase-9 recruitment by the apoptotic protease-activating factor 1," Nature, 399, 549-557, 1999
	ANN	Sato et al., "A novel member of the TRAF family of putative signal transducing protein binds to the cytosolic domain of CD40," FEBS Letters, 358, 113-118, 1995
	AOO	Sioud et al., "Design of Nuclease Resistant Protein Kinase C $\alpha$ DNA Enzymes with Potential Therapeutic Application," J. Mol. Biol., 296, 937-947, 2000

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		Filing Date May 14, 2001	Group Art Unit 2671

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	APP	Stanger et al., "RIP: A Novel Protein Containing a Death Domain That Interacts with Fas/APO-1 (CD95) in Yeast and Causes Cell Death," <i>Cell</i> , 81, 513-523, 1995
	AQQ	Sukits et al., "Solution Structure of the Tumor Necrosis Factor Receptor-1 Death Domain," <i>J. Mol. Biol.</i> , 310, 895-906, 2001
	ARR	Tartaglia et al., "Tumor Necrosis Factor's Cytotoxic Activity Is Signaled by the p55 TNF Receptor," <i>Cell</i> , 73, 213-216, 1993
	ASS	Telliez et al., "Mutational Analysis and NMR studies of the Death Domain of the Tumor Necrosis Factor Receptor-1," <i>J. Mol. Biol.</i> , 300, 1323-1333, 2000
	ATT	Vandevoorde et al., "Induced Expression of Trimerized Intracellular Domains of the Human Tumor Necrosis Factor (TNF) p55 Receptor Elicits TNF Effects," <i>The Journal of Cell Biology</i> , 137 (7), 1627-1638, 1997
	AUU	Xiao et al., "Three-Dimensional Structure of a Complex between the Death Domains of Pelle and Tube," <i>Cell</i> , 99, 545-555, 1999
	AVV	Zhou et al., "Solution Structure of Apaf-1 CARD and its interaction with caspase-9 CARD: A Structural basis for specific adaptor/caspase interaction," <i>Proc. Natl. Acad. Sci. USA</i> , 96, 11265-11270, 1999
	AWW	

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